atggcttcctcagttctttcctctgcagcagttgccacccgcagcaatgttgctcaagct																			
M	A	S	S	V	L	S	S	A	Ā	V	A	T	R	S	N	V	A	Q	A
aa	aacatggttgcacctttcactggccttaagtcagctgcctcattccctgtttcaaggaag																		
n N	M	V	A	P	F	Т	G	L	K	s	A	A	S	F	P	v	s	R	К
ca	caaaaccttgacatcacttccattgccagcaacggcggaagagtgcaatgcatgc																		
													R				<u>M</u>	_	v
tg	gcc	acc	aat	taa	caa	gaa	gtc	С	(ន	EQ	ID	NO:	3)						
M	P	Ρ_	I	N	K	K	S	_		(S	EQ	ID	NO:	4)					

Figure 1



ctaacatggttgcacctttcactggccttaagtcagctgcctcattccctgtttcaaggaagcaaaaccttgacatcacttccatt

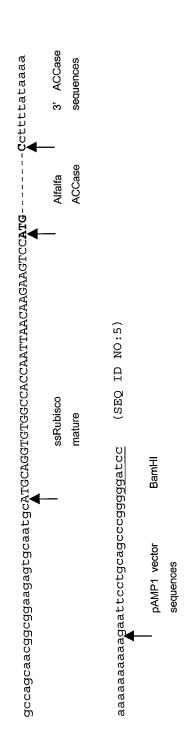


Figure 2



Figure 3

atggctagcgtgggccgtggaaatggatatttaaacagtgtqctaccgagtaggcaccctqctactacaaccgaa M A S V G R G N G Y L N S V L P S R H P A T T T E V D E Y C N A L G G N K P I H S I L I A N N G M A qcaqtcaaqtttatacqtaqtqttaqqaqttqgqcttacqaqacatttggcacqgaaaaagctatcttgttggtt A V K F I R S V R S W A Y E T F G T E K A I L L V gccatggcaactccagaggatatgagaatcaatgcagaacatatcagaatagccgatcaatttgtggaagtacct A M A T P E D M R I N A E H I R I A D Q F V E V P qqtqqqaccaataacaataactacqccaatqtqcaqcttattctaqaqattqctqaqataactcacqttqatqcq G G T N N N N Y A N V Q L I L E I A E I T H V D A gtgtggcctggttggggtcatgcatcagaaaatcctgagcttccagatgcattaaaagcaaagggaattgtattc V W P G W G H A S E N P E L P D A L K A K G I V F $\verb|cttggacctcctgctatatctatggcagcattgggagacaaaattggttcctcgttgattgctcaggcagcagaaa| \\$ L G P P A I S M A A L G D K I G S S L I A Q A A E gttccaacccttccatgqagtggttctcatgtgaaaattcctccagaaagtgacttgattactattcctgatgaa V P T L P W S G S H V K I P P E S D L I T I P D E atttaccqtqcaqcatqttttatacaacaqaaqaaqcaattqcaaqttqtcaaqtaqtaqqttaccctqcaatq I Y R A A C V Y T T E E A I A S C Q V V G Y P A M attaaqqcatcttqqqqtqqtqqcqqcaaaqqcataaqaaaqqttcataatqatqatqagqttaggqcattgttc I K A S W G G G G K G I R K V H N D D E V R A L F aaqcaaqttcaaqqtqaaqtaccaqqctcacctatatttataatgaaaqttqcttcccaqaqccqacatcttqaa K O V O G E V P G S P I F I M K V A S Q S R H L E qtccaattqatttqcqatcaqcacqqaaattttqcaqcattqcacaqccqtqattqtaqtqttcaaaqaaqqcat V Q L I C D Q H G N F A A L H S R D C S V Q R R H caaaagattattqaaqaqqqtcccattactqtaqcacctccaqaaacqqtgaaaqaacttqaacagqcggctaga O K I I E E G P I T V A P P E T V K E L E Q A A R agattagctaaatctgtaaattatgtgggggcagctaccgttgagtatctttatagcatggaaactggcgagtac R L A K S V N Y V G A A T V E Y L Y S M E T G E Y tacttttttagagttgaacccccgactacaggttgagcatcctgttactgaatggatagctgagataaatctgcca Y F L E L N P R L Q V E H P V T E W I A E I N L P A A Q V A V G M G I P L W Q I P E I R R F Y G M E $\verb|catggtggggaaatgatggttggaagaaaacatcagtgttagctaccccttttgattttgacgaagcacaatct| \\$ H G G G N D G W K K T S V L A T P F D F D E A Q S

Figure 4-1

acaaagccqaaaggtcattgtgtggctgtacgagtcaccagtgaggaccccgatgatggttttacgcctacagga T K P K G H C V A V R V T S E D P D D G F T P T G G K V Q E L S F K S K P N V W A Y F S V K S G G G ${\tt attcat} ga a {\tt ttctca} a {\tt ttctca} a {\tt ttttg} ga ca {\tt tgtttttg} c {\tt gtttg} ga ga a {\tt tcta} ga g {\tt cttta} gc a {\tt att} c {\tt ta} ga a {\tt ttttg} ca {\tt att} da {\tt tttg} ca {\tt tttg}$ I H E F S D S Q F G H V F A F G E S R A L A I A N $\verb|atggtactggggttgaaggaaattcaaattcgaggagaaattcgtaccaacgttgattacacaattgatcttctg|$ M V L G L K E I Q I R G E I R T N V D Y T I D L L $\verb| aatgcttcagactacagagacaacaaaattcacacaggatggctagacagtagaattgcaatgcgggttagagca| \\$ N A S D Y R D N K I H T G W L D S R I A M R V R A gagaggcctccctggtatctgtctgttgttggtggggcactctataaagcttctgccagcagtgcagctttagtt E R P P W Y L S V V G G A L Y K A S A S S A A L V S D Y V G Y L E K G Q I P P K H I S L V H S Q V S $\verb|ttgagcattgaaggaagcaaatacacgattgacatggtacgaggaggacctggaagttacaaattgaaattgaat|$ L S I E G S K Y T I D M V R G G P G S Y K L K L N Q S E I E A E I H T L R D G G L L M Q L D G N S H gtaatatatgcagaggaagaagcagctggaactcggcttttaatagatggaaggacttgcttcagaatgat V I Y A E E E A A G T R L L I D G R T C L L Q N D gacgatccatcaaagttaattggagagacaccgtgcaagcttctgagatatttggttgcggatgatagtcagatt D D P S K L I G E T P C K L L R Y L V A D D S Q I gatgcagacacaccatatgctgaagttgaggtcatgaagatgtgcatgcctcttctttcccctgcttctggaatt D A D T P Y A E V E V M K M C M P L L S P A S G I $\verb|attcatttcaga| atggctga | aggctaggctggtga | aggctaggctggtga | aggctaggctgga | aggctaggctgga | aggctaggctgga | aggctagga | a$ I H F R M A E G Q A M Q A G E L I A K L D L D D G tetgcagtaaggaaggcagaacecttcactgggagettccctatcctgggccctcctactgcaatttcaggtaaa S A V R K A E P F T G S F P I L G P P T A I S G K gttcatcagaaatgtgcagcaagcttaaacgctgcacggatgattcttgctggctatgagcacaacattgatgaa V H Q K C A A S L N A A R M I L A G Y E H N I D E qttqtqqtcaaaagtttqctcaattqccttqacaqccctqaactqcctttccttcaatqqcaagaqtqctttqca V V V K S L L N C L D S P E L P F L Q W Q E C F A gttttggcaacccgtcttcccaaagatcttagaaacgagttggaagctaaatataaggagttcgaaattatttca V L A T R L P K D L R N E L E A K Y K E F E I I S

Figure 4-2

agctcccaaactattgatttccctgccaaattattgaaggcaatccttgaagctcatctttcctcctgtcctgaa S S Q T I D F P A K L L K A I L E A H L S S C P E aacqaaaaaqqagccttagaaagactagttgaaccgctgacaagtcttgtaaagtcttatgagggtggaagagag N E K G A L E R L V E P L T S L V K S Y E G G R E agc cat g ct cata a a att g tt ca at ct ct att t g a agagt at ct tt ca g tt g a aga a ct att ca g t g a ta at at a ta a considerable and conS H A H K I V O S L F E E Y L S V E E L F S D N I $\verb|caggctg| at \verb|gta| at tga ac gactcc \verb|gtcttca| at acaa \verb|gaa| aa gattt \verb|gttg| aa gatt \verb|gta| gat at tgttg ctctct| at acaa gaa aa gattt \verb|gttg| aa gattt \verb|gta| gat at tgttg ctctct| at acaa gaa aa gattt \verb|gttg| aa gattt gat ag at at tgttg ctctct| at acaa gaa aa gattt gat gat at tgttg can gat$ Q A D V I E R L R L Q Y K K D L L K I V D I V L S $\verb|catcagggtgtcaagagcaaaaacaagctgatactgcgactaatggataaactggtttaccctaatcctgctgcc| \\$ H Q G V K S K N K L I L R L M D K L V Y P N P A A ${\tt tatagggatcaattaatccgattctcccaactcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatatagtttattctgagttggctcttaaggcaagtcaaccatataggcaaccatataggcaaccataggcaaccatataggcaaccatataggcaaccatataggcaaccatataggcaaccatataggcaaccatataggcaaccatataggcaaccatataggcaaccatag$ Y R D O L I R F S Q L N H I V Y S E L A L K A S Q $\verb|ctgttggagcaaactaaactcagtgaacttcgatccagcattgctagaagtctttctgaactagaaatgtttacc||$ L L E Q T K L S E L R S S I A R S L S E L E M F T $\tt gaggatggtgaaaatattgatactccgaagaggaagagtgccattaatgacagaatggaggaccttgtgagcgct$ E D G E N I D T P K R K S A I N D R M E D L V S A PLAVEDALVGLFDHSDHTLQRRVVE ${\tt acttatatccgtaggctctatcagccatatcttgtcaaaagatagcatcaggatgcagtggcacagatctggcctt}$ T Y I R R L Y Q P Y L V K D S I R M Q W H R S G L attqctacatqqqaattcttaqaaqaatacqttqaacqqaaqaatggggttqaaqacaaaacactggtggagaaa I A T W E F L E E Y V E R K N G V E D K T L V E K $\verb|catagtgagaagaaatggggagtgatggttgtaattaaatctcttcagtttttgccagcaattatcagtgctgca|\\$ H S E K K W G V M V V I K S L Q F L P A I I S A A ttaaqaqaaqcaaccaataactttcacqatcctcttaaaagtggttctggtgactcaagtaaccatggtaatatg L R E A T N N F H D P L K S G S G D S S N H G N M $\verb|atgcatattggattagtggggatcaaccaaatgagtttacttcaagacagtggtgatgaggatcaggctcaa| \\$ M H I G L V G I N N Q M S L L Q D S G D E D Q A Q gaaagaattgataagttggccaaaatactcagagagcaggaaatagggtccataatacatgctgcaggtgttgga ERIDKLAKILREQEIGSIIHAAGVG gatattagctgtatcatacagagggatgaagggcgtgctccaatgaggcattcctttcactggtcatctgaaaag D I S C I I Q R D E G R A P M R H S F H W S S E K ctatattatqtaqaqqaaccattqttqctccatcttgaacctcccctatccatttatcttgaactggacaagctt L Y Y V E E P L L L H L E P P L S I Y L E L D K L

Figure 4-3

aagtqctatqaaaatattcqctatacaccatcccqaqatcqtcaatqqcacctctacacaqttqtqqataccaaq K C Y E N I R Y T P S R D R Q W H L Y T V V D T K ccacaaccaattcaaaqaatqtttcttcqaacacttatcaqacaqccaaccacaaatqaaqqatactcttcttat P Q P I Q R M F L R T L I R Q P T T N E G Y S S Y $\verb|caaagactggatgcagaaacgtcccgtacccaattggctatgtcttatacttcaaggagcatttttaggtcccta|\\$ Q R L D A E T S R T Q L A M S Y T S R S I F R S L atgggcgcaatggaggttggaacttaactcacacaataccaccatcaaatctgaacatgctcatatgtacctcM G A M E E L E L N S H N T T I K S E H A H M Y L tatatcatacqcqaqcaqaaataqatqatcttqtqccttattccaaqaaaattaacataqaaqctqqccaaqaa Y I I R E Q Q I D D L V P Y S K K I N I E A G Q E gaaacaacagttgaggcaatcttggaagaactggcacaggaaatccattcctctgttggtgtaagaatgcacaga E T T V E A I L E E L A Q E I H S S V G V R M H R ttaggegttttegtgtgggaaateaagetetggattaeageatgtggaeaggeaaatggtgettggagggteattL G V F V W E I K L W I T A C G Q A N G A W R V I V N N V T G H T C T V H I Y R E M E D A T T H K V V Y S S V T V K G P L H G V P V N E N Y O P L G G attgaccgaaaacgtcttgcagcgagaaagaacagcaccacatactgctatgatttccccctttgcatttcaaaca I D R K R L A A R K N S T T Y C Y D F P L A F Q T tccttqqaacaqtcctqqtcaatacaqcaqacaqqaattcaaaqaqctaatqataaqqatctcctaaaaqtaaca S L E Q S W S I Q Q T G I Q R A N D K D L L K V T gagettaaattttccgaaaaagetggtagttggggtacttctcttgttcctgcagagegtcttcctggactcaat E L K F S E K A G S W G T S L V P A E R L P G L N gatgttggcatggtagcctggttgatggaaatgtgtacgcctaaattcccatctggaaaggacaatattggttgtt D V G M V A W L M E M C T P K F P S G R T I L V V tcaaacqatqtqaccttcaaqqccqqqtcttttqqcccaaqaqaqqatqcattctttaqaqcaqtaactqatctt S N D V T F K A G S F G P R E D A F F R A V T D L gcctgtgcaaagaaaatacctttaatttacttgqcaqcaaattctgqtgcccgtttaggtgttgccgaggaagtc A C A K K I P L I Y L A A N S G A R L G V A E E V K A C F K V G W S E E S K P E H G F Q Y V Y L T P gaggattatgctcgaatcggatcatcagtgatgqcacatqaattaaaqcttgaaaqtgqagaaaccagatgggtt E D Y A R I G S S V M A H E L K L E S G E T R W V

Figure 4-4

ataqataccattqttqqcaaaqaaqatqqactqqqaqttqaaaacttqaqtqqtaqtqqqqccattqccqqtqcc I D T I V G K E D G L G V E N L S G S G A I A G A tattcaaqqqcatacaaqqaaacctttacattqacatatqttaccqqtaqqactqttqqaattqqtqcttatctt Y S R A Y K E T F T L T Y V T G R T V G I G A Y L gctaggcttgggatgaggtgcatacagaggcttgatcaacctataattcttaccgggtttttcagcattaaacaaa A R L G M R C I Q R L D Q P I I L T G F S A L N K cttcttggtagggaggtgtacagctctcacatgcaacttggtggaccgaaaatcatggcaacaaatggagtcgtt L L G R E V Y S S H M Q L G G P K I M A T N G V V catctcacagtttcqqacqaccttqaaqqcqtttcttctattttqaaqtqqcttaqctacqttccttctcatqta H L T V S D D L E G V S S I L K W L S Y V P S H V ggtggtgcacttcccattgtaaagccccttgatcccccagagagggaagtggagtatttaccggaaaattcatgc G G A L P I V K P L D P P E R E V E Y L P E N S C $\tt gatcctcgtgctgccatttccggaactctggatgttaatggaaagtggctgggaggcatttttgacaaggacagc$ D P R A A I S G T L D V N G K W L G G I F D K D S tttqtqqqaqacactaqaaqqatqqqctaqaacaqttqttacaqqaaqqqcaaaqcttqqaqqaatccctqtqqqa F V E T L E G W A R T V V T G R A K L G G I P V G attqttqcqqtqqaaacacaaacaqttatqcaaataatacctqctqatccaqqtcaacttqattctcacqaqaqq I V A V E T Q T V M Q I I P A D P G Q L D S H E R gttqttcctcaagccqqqcaqqtqtqqtttcctqattctgcqaccaaqacqqcccaagcqatattgqatttcaac V V P Q A G Q V W F P D S A T K T A Q A I L D F N agagaagaactcccacttttcattatcgcaaactggagaggcttttcaggtggacaaagggacctttttgaagga R E E L P L F I I A N W R G F S G G O R D L F E G attcttcaggctggttcgactattgtggagaaccttaggacatacaaacagcccatatttgtatacattccaatg I L Q A G S T I V E N L R T Y K Q P I F V Y I P M atgggtgaactccgaggcggggcttgggttgttgtcgacagccgaatcaactcagaccacattgaaatgtatgct M G E L R G G A W V V V D S R I N S D H I E M Y A E R T A K G N V L E P E G M I E I K F R T R E L L qaqtqtatqaqaaqacttqatcaacaattqattaatttqaaqqaaaaactttctqaaqccaaqaqtaacaaqqac E C M R R L D Q Q L I N L K E K L S E A K S N K D tatggtgcatatgattctctgcagcagcagattagattccgtgagaaacagcttttgcctttgtatactcagata Y G A Y D S L Q Q I R F R E K Q L L P L Y T Q I gctacaaaatttgctgaactccatgatacttcattaagaatgaaagcaaagggtgtaatcagagaagttcttgat A T K F A E L H D T S L R M K A K G V I R E V L D

Figure 4-5

tqqcqtaaqtcqcqttctqtcttctatcaqaqactqcacaqqaqaatcqgtgaqcactcactgatcaacatcgtg W R K S R S V F Y O R L H R R I G E H S L I N I V aqaqatqctqctqgtgaccaattgtcatatgtttctqccatgaacttgctcaaaqaatggtatctgaattctgat R D A A G D Q L S Y V S A M N L L K E W Y L N S D $\verb|atcgccaaaggtagagaagatgcttggttggacgatgaagccttcttcagatggagggatgatccagcaaactac||$ I A K G R E D A W L D D E A F F R W R D D P A N Y qaqqataaactaaaqqaattqcqcqtccaqaqactqttqcttcaqttgacaaatattqgcgactcqgctctagat E D K L K E L R V Q R L L L Q L T N I G D S A L D ttaca aget ctacct caag qtcttgccgcccttttaag caag ttggaag catcaag ttcgcgataag ttgatcag ttgatcL Q A L P Q G L A A L L S K L E A S S R D K L I S $\tt gaacttcgcaaagtactcggttagtagacagtgaatgctcctgtgatctgcccatgcactcatgttgtagtgttc$ E L R K V L G (SEQ ID NO:8) acqtcqttqatacatqaccatataqaaatqtatccattttacqatqttatcatcaaaqtagcagcatccctcgga gatcataaccagcatcaccatqtttgqtctatttatttgctggttgattgattctttgcgtgtatctgaataaac aaqaattcctqcaqcccgggggatcc (SEQ ID NO:7)

Figure 4-6